

01/25/02

10931 U.S. PTO

Please type a plus sign (+) inside this box

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/05 (11-00)

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new non provisional applications under 37 CFR 1.53(b))

Attorney Docket No. 82,942

First Inventor Keller

Title SYNTHESIS OF OLIGOMERIC POLYIMIDES AND POLYIMIDES AND THEIR CONVERSION TO HIGH TEMPERATURE PLASTICS, ELASTOMERS, AND COATINGS

Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing.)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 32]  
(preferred arrangement set forth below)  
- Descriptive title of the invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Pages 35]  
a. ☒ Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))  
b. ☐ (for continuation/divisional with Box 18 completed)
6. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:  
☐ CD-ROM or CD-R (2 copies); or  
☐ paper
- c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122  
(b)(2)(13)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. \_\_\_\_\_

Group Art Unit \_\_\_\_\_

Prior application information:

Examiner \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire \_\_\_\_\_ or application, from which an oath or declaration is supplied under  
Box 5b, is considered a part of the disclosure of the application or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19 CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code LabelPATENT TRADEMARK OFFICE  
(Insert Customer No. or Attach bar code label here)or ☐ Correspondence address below

Name Naval Research Laboratory

Address 4555 Overlook Ave., S.W.,

Code 10082

City Washington

State DC

Zip Code 20375-5320

Country US

Telephone 202-404-1552

Fax 202-404-7380

Name (Print/Type) John J. Karasek

Registration No. (Attorney/Agent) 36,182

Signature

Date

1/25/02

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on  
the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC  
20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application,  
Washington, DC 20231.

PATENT APPLICATION  
Navy Case No. 82,942

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## APPLICATION FOR LETTERS PATENT

TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN THAT Teddy M. Keller and Craig L. Homrighausen who are citizens of the United States of America, and are residents of, Fairfax Station, VA and Longmont, CO, invented certain new and useful improvements in "SYNTHESIS OF OLIGOMERIC POLY(SILARYLENE-SILOXANE-ACETYLENE)'S AND THEIR CONVERSION TO HIGH TEMPERATURE PLASTICS, ELASTOMERS, AND COATINGS" of which the following is a specification:

Please Contact Preparer:  
Joseph Grunkemeyer  
Reg. No. 46,746  
Tel: 202-404-155  
Date: January 25, 2002